

Engineering & Application Note

Issue Date: August '16

Subject: Installing *i³*CMini, *i³*CX, *i³*E, *i³*DX, *i³*X Firmware

Relevant Products: *i³* Configurator and *i³*CMini, *i³*CX, *i³*E, *i³*DX, *i³*X Firmware v12.92 or later

Article Description

The *i³*CMini, *i³*CX, *i³*E, *i³*DX, *i³*X firmware files are much larger than the previous *i³* series firmware files. *i³* Configurator does not support firmware or operating system loading from the firmware update wizard for the relevant products. In order to make the update process fast, the firmware for *i³*CMini, *i³*CX, *i³*E, *i³*DX, *i³*X is loaded via a micro SD or USB flash drive. The following steps outline how to do this. As with all *i³*'s the process of updating the firmware erases the application code. Users may need to save the application using the backup function or load to pc before implementing the firmware update.

Article Details

Firmware Upgrade Procedure

1. Download the firmware update zip file
2. Extract the files contained in the zip file and copy them to the root directory of a *FAT16* or *FAT32* formatted USB FLASH drive or micro SD card. Prior to executing the upgrade on an in-service *i³*CMini, *i³*CX, *i³*E, *i³*DX, *i³*X it may be required to perform a "Make Clone" operation so that the unit can be returned to its exact state following the update. This is an optional step using a micro SD card executed from the System Menu.
3. Plug the card into a Powered-on *i³*. Ensure that the new card is the only one plugged into the *i³*.
4. Press and Hold the System button on the *i³* for approximately 6 seconds. A Boot Installer screen will appear.

5. Touch the Install Boot loader button. This will update all files (Firmware, FPGA, and Boot Loader & OS).
6. Press OK when prompted.
7. Reboot the power. Following the reboot, the update is complete.
8. If a clone was made prior to the update, perform a “Load Clone” operation using a micro SD drive executed from the System Menu. The *i³CMini*, *i³CX*, *i³E*, *i³DX*, *i³X* application and all register contents will be restored to their pre-update state.